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PTO/SB/21 (09-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/786710-Conf. #3651
Filing Date	February 24, 2004
First Named Inventor	Mark L. NELSON
Art Unit	1626
Examiner Name	A. B. Freistein
Attorney Docket Number	PAZ-025CPCN

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Return Receipt Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	PTO form SB/08
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	Certificate of Mailing
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application		Copies of Ten (10) References
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	LAHIVE & COCKFIELD, LLP		
Signature	<i>Cynthia M. Sproos</i>		
Printed name	Cynthia M. Sproos		
Date	June 6, 2006	Reg. No.	53,623

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: June 6, 2006

Signature: *Cynthia M. Sproos* (Cynthia M. Sproos)



PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2005		Application Number	10/786710-Conf. #3651
		Filing Date	February 24, 2004
		First Named Inventor	Mark L. NELSON
		Examiner Name	A. B. Freistein
		Art Unit	1626
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	PAZ-025CPCN
TOTAL AMOUNT OF PAYMENT		(\$)	180.00

METHOD OF PAYMENT (check all that apply)

<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> None	<input type="checkbox"/> Other (please identify): _____
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: 12-0080		Deposit Account Name: Lahive & Cockfield, LLP	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)				
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee			
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments			

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
_____	_____	_____	_____	Fee (\$) Fee Paid (\$)
_____ = _____ x _____ = _____				
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	
_____	_____	_____	_____	
_____ = _____ x _____ = _____				

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____	_____	_____
_____ - 100 = _____ / 50 _____ (round up to a whole number) x _____ = _____				

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement	180.00

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	53,623
Name (Print/Type)	Cynthia M. Soroos	Telephone	(617) 227-7400
		Date	June 6, 2006

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Dated: June 6, 2006

Signature: (Cynthia M. Soroos)



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Dated: June 6, 2006

Signature:

Cynthia M. Soroos
(Cynthia M. Soroos)

Docket No.: PAZ-025CPCN
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Mark L. Nelson *et al.*

Application No.: 10/786710

Confirmation No.: 3651

Filed: February 24, 2004

Art Unit: 1626

For: 7- AND9- CARBAMATE, UREA,
THIOUREA, THIOCARBAMATE, AND
HETEROARYL-AMINO SUBSTITUTED
TETRACYCLINE COMPOUNDS

Examiner: A. B. Freistein

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (SIDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR 1.97, Applicants hereby make of record the following additional documents. A PTO Form SB/08 and a full copy of each of the documents required under 37 CFR 1.98(a)(2) accompany this statement.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Applicants have not submitted copies of each cited U.S. patent and U.S. patent application in accordance with 37 CFR 1.98(a)(2)(ii). Applicants submit herewith copies of foreign patents and non-patent references in accordance with 37 CFR 1.98(a)(2).

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any document herein be construed *per se* as a representation that

06/09/2006 HDETA1 00000001 120080 10786710
01 FC:1806 180.00 DA

such document is prior art. Moreover, Applicants understand the Examiner will make an independent evaluation of the cited documents.

Applicants bring to the Examiner's attention the following co-pending applications:

U.S. Serial No.	10/652712	Filing Date	08/28/03
U.S. Serial No.	11/305048	Filing Date	12/16/05
U.S. Serial No.	11/397445	Filing Date	04/04/06
U.S. Serial No.	10/738862	Filing Date	12/16/03
U.S. Serial No.	10/839023	Filing Date	05/04/04
U.S. Serial No.	10/921580	Filing Date	08/18/04
U.S. Serial No.	10/692563	Filing Date	10/24/03
U.S. Serial No.	10/943571	Filing Date	09/16/04
U.S. Serial No.	10/996119	Filing Date	11/22/04
U.S. Serial No.	11/283571	Filing Date	11/18/05
U.S. Serial No.	10/619653	Filing Date	07/14/03
U.S. Serial No.	10/636437	Filing Date	08/06/03
U.S. Serial No.	11/292552	Filing Date	12/02/05
U.S. Serial No.	10/752378	Filing Date	01/05/04
U.S. Serial No.	10/737361	Filing Date	12/15/03
U.S. Serial No.	10/740961	Filing Date	12/18/03
U.S. Serial No.	10/692764	Filing Date	10/24/03
U.S. Serial No.	10/786881	Filing Date	02/24/04
U.S. Serial No.	10/877928	Filing Date	06/25/04
U.S. Serial No.	11/039230	Filing Date	01/18/05
U.S. Serial No.	10/877454	Filing Date	06/25/04
U.S. Serial No.	11/330700	Filing Date	01/12/06
U.S. Serial No.	11/258622	Filing Date	10/25/05
U.S. Serial No.	11/258613	Filing Date	10/25/05
U.S. Serial No.	11/348608	Filing Date	02/06/06
U.S. Serial No.	11/182247	Filing Date	07/14/05
U.S. Serial No.	11/004559	Filing Date	12/03/04
U.S. Serial No.	10/616531	Filing Date	07/09/03
U.S. Serial No.	11/390902	Filing Date	03/28/06
U.S. Serial No.	10/982728	Filing Date	11/04/04
U.S. Serial No.	10/819343	Filing Date	04/05/04
U.S. Serial No.	10/820456	Filing Date	04/07/04
U.S. Serial No.	10/866220	Filing Date	06/10/04
U.S. Serial No.	11/300917	Filing Date	12/15/05

Please charge our Deposit Account No. 12-0080 in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper

Application No.: 10/786710

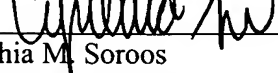
Docket No.: PAZ-025CPCN

hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. PAZ-025CPCN. A duplicate copy of this paper is enclosed.

Dated: June 6, 2006

CMS/MLR/mch

Respectfully submitted,

By 
Cynthia M. Soroos
Registration No.: 53,623
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(617) 227-7400
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Attorney/Agent For Applicant



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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/786710-Conf. #3651
				Filing Date	February 24, 2004
				First Named Inventor	Mark L. NELSON
				Art Unit	1626
				Examiner Name	A. B. Freistein
Sheet	1	of	2	Attorney Docket Number	PAZ-025CPCN

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1*	US-3,341,585	09-12-1967	Bitha, P., et al.	
	A2*	US-3,345,410	10-03-1967	Winterbottom, Robert, et al.	
	A3*	US-3,373,196	03/1968	Bitha and Hlavka	
	A4*	US-3,518,306	06-30-1970	Martell Jr., M.J. et al.	
	A5*	US-3,579,579	05-18-1971	Hlavka, J.J., et al.	
	A6*	US-5,248,797	09-28-1993	Sum, P-E	
	A7*	US-5,371,076	12-06-1994	Lee, V.J., et al.	
	A8*	US-5,442,059	08-15-1995	Sum, et al.	
	A9*	US-5,495,030	02-27-1996	Sum, P-E, et al.	
	A10*	US-5,567,692	10-22-1996	Sum, P-E, et al.	
	A11*	US-5,639,742	06-17-1997	Lee, V.J., et al.	
	A12*	US-6,818,634-A1	08-01-2002	Nelson et al.	
	A13*	US-20020123637-A1	09-05-2002	LEVY et al.	
	A14*	US-20020128237-A1	09-12-2002	Nelson et al.	
	A15*	US-20020128238-A1	09-12-2002	Nelson et al.	
	A16*	US-20020132798-A1	09-19-2002	Nelson et al.	
	A17*	US-6,500,812-A1	12-31-2002	Nelson et al.	
	A18*	US-6,841,546-A1	05-29-2003	Draper et al.	
	A19*	US-6,846,939-A1	07-03-2003	Nelson et al.	
	A20*	US-20030215873-A1	11-20-2003	Alekshun et al.	
	A21*	US-20040033996-A1	02-19-2004	Nelson et al.	
	A22*	US-20040048835-A1	03-11-2004	Nelson et al.	
	A23*	US-20040063674-A1	04-01-2004	Levy et al.	
	A24*	US-20040092490-A1	05-13-2004	Draper et al.	
	A25*	US-20040138183-A1	07-15-2004	Nelson et al.	
	A26*	US-20040152674-A1	08-05-2004	Levy et al.	
	A27*	US-20040157806-A1	08-12-2004	Nelson et al.	
	A28*	US-20040204378-A1	10-14-2004	Nelson et al.	
	A29*	US-20040214800-A1	10-28-2004	Levy et al.	
	A30*	US-20040214801-A1	10-28-2004	Nelson et al.	
	A31*	US-20040242548-A1	12-02-2004	Draper et al.	
	A32*	US-6,833,365-A1	12-21-2004	Levy et al.	
	A33*	US-20040266740-A1	12-30-2004	Huss et al.	
	A34*	US-20050020545-A1	01-27-2005	Draper et al.	
	A35*	US-6,849,615-A1	02-01-2005	Nelson et al.	
	A36*	US-20050026875-A1	02-03-2005	Nelson et al.	
	A37*	US-20050026876-A1	02-03-2005	Nelson et al.	
	A38*	US-20050038002-A1	02-17-2005	Nelson et al.	
	A39*	US-20050070510-A1	03-31-2005	Draper et al.	
	A40*	US-20050119235-A1	06-02-2005	Nelson et al.	
	A41*	US-20050137174-A1	06-23-2005	Ohemeng et al.	
	A42*	US-20050143352-A1	06-30-2005	Nelson et al.	
	A43*	US-20050143353-A1	06-30-2005	Nelson et al.	
	A44*	US-20050148551-A1	07-07-2005	Nelson et al.	
	A45*	US-20050187198-A1	08-25-2005	Nelson et al.	

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/786710-Conf. #3651
				Filing Date	February 24, 2004
				First Named Inventor	Mark L. NELSON
				Art Unit	1626
				Examiner Name	A. B. Freistein
Sheet	2	of	2	Attorney Docket Number	PAZ-025CPCN

A46*	US-20050215532-A1	09-29-2005	Levy et al.	
A47*	US-20050250744-A1	11-10-2005	Levy et al.	
A48*	US-20050288262-A1	12-29-2005	Bandarage et al.	
A49*	US-20060003971-A1	01-05-2006	Nelson	
A50*	US-7,001,918-A1	02-21-2006	Huss et al.	
A51*	US-20060084634-A1	04-20-2006	Huss et al.	
A52*	US-20060084678-A1	04-20-2006	Alekshun et al.	
A53*	US-20060089336-A1	04-27-2006	Nelson et al.	
A54*	US-7,045,507-A1	05-16-2006	Draper et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP-0582829-B1	02-16-1994	American Cyanamid Company		
	B2	EP-0618190-B1	10-05-1994	Wyeth Holdings Corporation		
	B3	WO-01/19784-A1	03-22-2001	Trustees of Tufts College		
	B4	WO-01/74761-A1	10-11-2001	Trustees of Tufts College		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Barden, Timothy C. et al, "Glycylcyclines". 3. 9-Aminodoxycyclinecarboxamides," <i>J. Med. Chem.</i> , Vol. 37:3205-3211 (1994)	
	C2	Koza, Darrell J., "Synthesis of 7-Substituted Tetracycline Derivatives," <i>Organic Letters</i> , Vol. 2(6):815-817 (2000)	
	C3	Koza, Darrell J. et al, "Palladium Catalyzed C-N Bond Formation in the Synthesis of 7-Amino-Substituted Tetracyclines," <i>J. Org. Chem.</i> , Vol. 67:5025-5027 (2002)	
	C4	Koza, Darrell J. et al, "Synthesis and Biological Evaluation of 9-Substituted Tetracycline Derivatives," <i>Bioorganic & Medicinal Chemistry Letters</i> , Vol. 12:2163-2165 (2002)	
	C5	Sum, Phaik-Eng et al, "Glycylcyclines. 1. A New Generation of Potent Antibacterial Agents through Modification of 9-Aminotetracyclines," <i>J. Med. Chem.</i> , Vol. 37:184-188 (1994)	
	C6	Sum, Phaik-Eng et al, "Synthesis and Structure-Activity Relationship of Novel Glycylcycline Derivatives Leading to the Discovery of GAR-936," <i>Bioorganic & Medicinal Chemistry Letters</i> , Vol. 9:1459-1462 (1999)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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Application No. (if known): 10/786710

Attorney Docket No.: PAZ-025CPCN

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on June 6, 2006
Date

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Cynthia M. Soroos

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